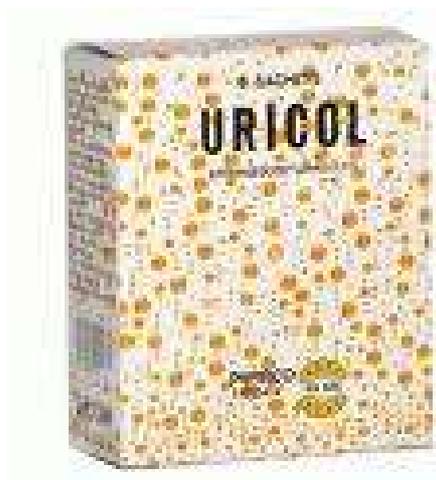


<b>CUSTOMER</b>	PHARCO CO.
<b>COUNTRY</b>	Egypt
<b>APLICACION / INDUSTRY</b>	Pharmaceutical powder
<b>SACHET TYPE</b>	Individual 4 sealed sides flat sachet
<b>FORMATS/ WEIGHT</b>	60 x 75 mm for 5 gr product
<b>MACHINE MODEL</b>	HB-32-QUADRUPLEX
<b>FILLING EQUIPMENT</b>	Quadruplex Auger filler ( 1 hopper)
<b>OUTPUT</b>	320 Sachets / minute
<b>OTHERS</b>	Packaging machine is synchronized to Marchesini cartoning machine Mod. MA-100. IQ-OQ protocol followed.
<b>YEAR</b>	2009

## PROJECT REQUERIMENTS



Pharco Co. requested a production line for sachets and cartons with versatility to make presentations of 10 and 12 sachets per carton.

Packaging machine had to fulfil a real output 320 sachets per minute, and must be built following the pharmaceutical norms: clean machine, and built in stainless materials.

The Effytec HB-32/4 packaging machine is built in Stainless Steel AISI-304, with all the parts in contact with product being in AISI-316 L.

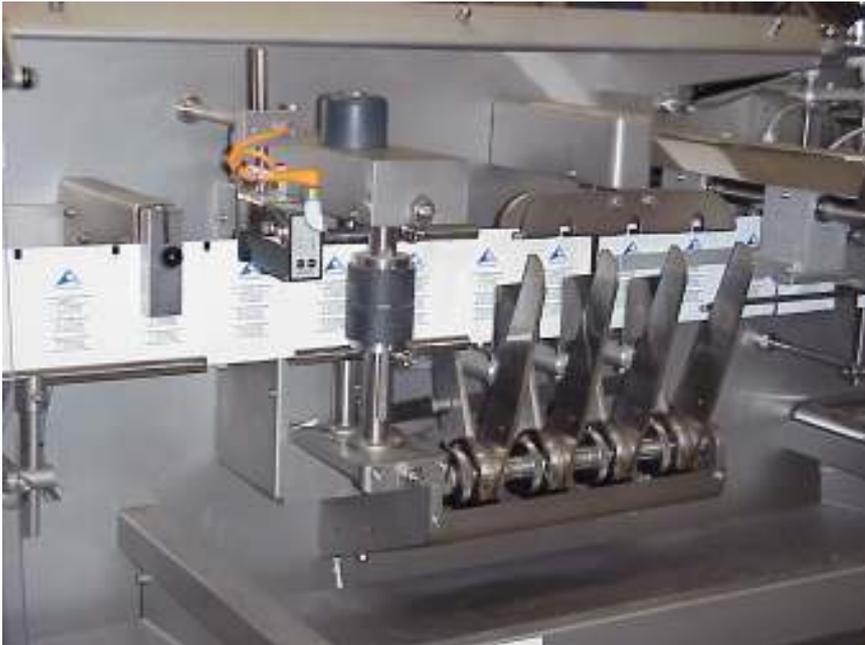
The filling system was assessed as an important feature of the equipment. In this case an auger filler with four (4) servo-motorized screws was used, with an only hopper with screw feeding included. The filling system fulfilled the FDA Normative and had the particularity to be highly precise (<0'5%) and working at high speed 80 x 4 unloadings per minute.

The packaging-cartoning line is directed by the packaging machine (master). The synchronism, acceptance and IQ-OQ protocol execution were carried out at Effytec plant.

It is remarkable that the machine HB-32/4, -as most of the models within our machinery range-, has incorporated the automatic film splicer, which increases the efficiency of the line by avoiding stops due to film reel changeover.

Equipment is completed with safety devices which guarantee the presence of sachets inside the carton (presence detector, vacuum-states, etc. ) with rejection system for empty sachets without affecting the line performance.

Pulling system by means of servo motorized rollers and individual sachet cutting station in machine HB-32/4 quadruplex.



Packaging line Effytec HB-32/4 + Marchesini MA-100.

